

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended)      An infrared burner assembly comprising a burner tube having perforations extending through said burner tube, an air aspirated nozzle, a compressor to provide air under pressure to said air aspirated nozzle, a fuel supply to supply liquid fuel at ambient pressure to said air aspirated nozzle, said liquid fuel being introduced to said air aspirated nozzle in liquid form and being drawn into said nozzle by said air under pressure, a metering valve interposed between said liquid fuel supply and said air aspirated nozzle, said metering valve being adjustable during operation of said burner assembly to increase or decrease the liquid fuel supplied to said air aspirated nozzle from said liquid fuel supply, said fuel and said air being mixed within said air aspirated nozzle and being combusted within said burner tube, at least some of said perforations extending through said burner tube being located immediately adjacent to and downstream from said air aspirated nozzle.

Claim 2 (previously presented)      An infrared burner assembly as in claim 1 and further comprising a regulator interposed between said metering valve and said fuel supply.

Claim 3 (previously presented)      An infrared burner assembly as in claim 2 wherein said metering valve is manually adjustable.

Claim 4 (previously presented)      An infrared burner assembly as in claim 3 wherein said regulator is a zero pressure regulator.

Claim 5 (previously presented)      An infrared burner

assembly as in claim 4 wherein said fuel supply is a fuel tank.

Claim 6 (previously presented)      An infrared burner assembly as in claim 5 wherein said compressor is operatively connected to said fuel tank thereby to create a suction in said fuel tank.

Claim 7 (previously presented)      An infrared burner as in claim 6 and further comprising a valve interposed between said compressor and said fuel tank, said valve having a first and a second position, said first position allowing vacuum from said compressor to be applied to said fuel tank, said second position isolating said compressor from said fuel tank.

Claim 8 (previously presented)      An infrared burner as in claim 7 and further comprising a valve interposed between said metering valve and said nozzle, said valve having a first and a second position, said first position allowing fuel to pass to said air aspirated nozzle and said second position isolating said air aspirated nozzle from said fuel tank.